

## G3ANT-4XXX ANTENNA FAMILY

### Mini ARINC GNSS Antenna

The G3Ant-4XXX product family provides assured Global Navigation Satellite System (GNSS) signal reception through multi-constellation reception. This G3 antenna includes coverage across three frequency bands: GLONASS L1, GPS L1 plus Galileo E1, and L-Band with B1 BeiDou. This product family is designed to a Mini ARINC mounting footprint for easy integration onto new and existing platforms. The rugged enclosure can withstand the harsh environmental conditions seen in military, aerospace and other applications.

Antcom can customize this product family to meet your specific requirements. Please contact us for more information about customization options.

#### BENEFITS

- Rugged GNSS antenna
- Mini ARINC form factor is small and lightweight
- Many standard options available and customizable if required

#### FEATURES

- GPS L1, Galileo E1, GLONASS L1 and L-Band
- Mini ARINC product footprint
- Passive or active (amplified) configurations available
- Active configurations offer 2-stage integrated bandpass filtering with diode limiters
- Connector options available
- Paint color options available



#### OPTIONS

COLOR	<ul style="list-style-type: none"> <li>• Gloss White</li> <li>• Lusterless Gray</li> <li>• Camo Green</li> <li>• Lusterless Black</li> <li>• Tan</li> </ul>
CONNECTOR	<ul style="list-style-type: none"> <li>• S: SMA</li> <li>• T: TNC</li> <li>• TB: TNC-Bulkhead</li> <li>• N: Type-N</li> </ul>
LNA GAIN	<ul style="list-style-type: none"> <li>• With 33 dB LNA</li> <li>• Without LNA</li> </ul>

**ELECTRICAL**

Frequency Range:	
L-Band	1545 - 1610 MHz
B1 BeiDou	1561.098 ± 10 MHz
L1 GPS	1575.42 ± 12 MHz
E1 Galileo	1575.42 ± 17 MHz
L1 GLONASS	1609 ± 7.0 MHz
VSWR	<2.0:1
Impedance	50 ohms
Polarization	RHCP

**MECHANICAL & ENVIRONMENTAL**

Designed to:

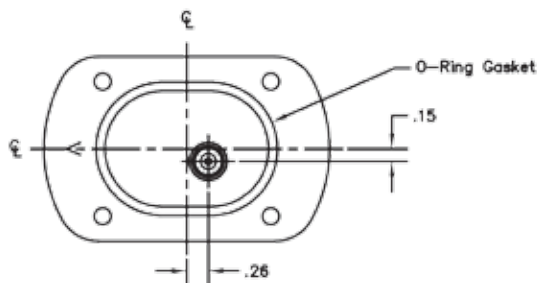
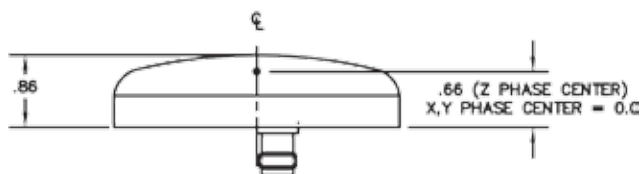
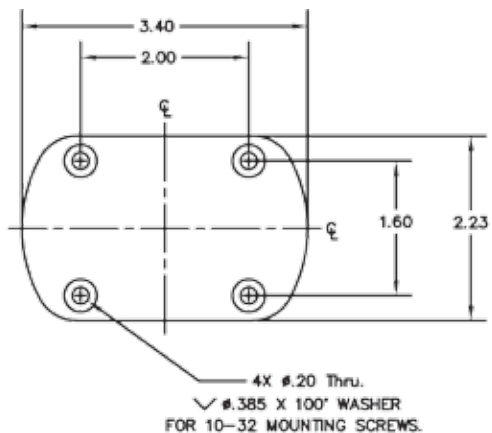
Weight	6.53 oz
Temperature	-55°C TO +85°C
Altitude	70,000 ft
Vibration	>30 Grms

**TYPICAL LNA PERFORMANCE**

LNA Gain	See Options Table
LNA Noise Figure	3.5 dB
LNA P1dB Out	+13 dBm
LNA DC Power	(3.8 - 15) V <70 mA

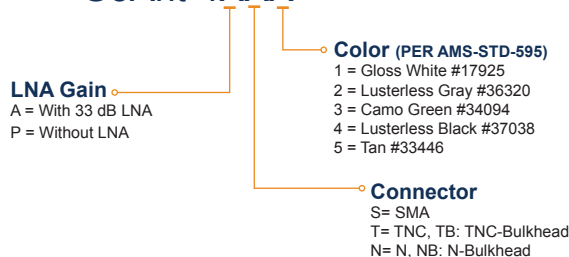
**LIMITING & FILTERING**

Power Handling	1 Watt CW
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**PART NUMBER DECODER**

G3Ant-4XXX



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